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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION N	
10/615,686	07/08/2003	Guobiao Zhang	GB8G	9724	
75	90 05/14/2004		EXAM	INER	
Guobiao Zhang P.O. Box 6182			NGO, N	NGO, NGAN V	
Stateline, NV	89449-6182		ART UNIT	PAPER NUMBER	
• •	•		2814		
			DATE MAILED: 05/14/2004	r C	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/615,686	ZHANG, GUOBIAO					
Office Action Summary	Examiner	Art Unit					
	Ngan Ngo	2814					
The MAILING DATE of this communication apperent Period for Reply	ears on the cover sheet with the	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period with the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. & 133).					
Status							
1) Responsive to communication(s) filed on							
2a) ☐ This action is FINAL . 2b) ☐ This	action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
4) Claim(s) <u>1-20</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.		a area a filipida karangaran ka					
8)⊠ Claim(s) <u>1-20</u> are subject to restriction and/or e	lection requirement.						
Application Papers							
9)☐ The specification is objected to by the Examiner							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents	have been received.						
2. Certified copies of the priority documents		on No.					
3. Copies of the certified copies of the priori							
application from the International Bureau							
* See the attached detailed Office action for a list of	• • • • • • • • • • • • • • • • • • • •	d.					
Attachment(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:							
	o,						

Art Unit: 2814

Restriction to one of the following inventions is required under 35 U.S.C. § 121:

I. Claims 1-12, drawn to an integrated circuit, classified in Class 257, subclass 315.

- II. Claims 13-17, drawn to a process for testing an circuit-under-test, classified in Class 365, subclass 185.
- III. Claims 18-20, drawn to a printed-circuit-board-under-test, classified in Class 257, subclass 48.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case unpatentability of the group I invention would not necessarily imply unpatentability of the group II invention, since the device of the group I invention could be used in processes materially different than those of the group II invention. For example, the device in claim 1 can be used without the step of "comparing said output test vectors" as required by claim 13.

Inventions I and III are different species. Claim 18 does not have the peripheral circuit defined in claim 1 and claim 1 does not have the printed circuit board defined in claim 18.

Because these inventions are distinct for the reasons given above and, as shown by the above different classifications, the fields of search are not co-extensive and

separate examination would be required, restriction for examination purposes as indicated is proper.

Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (571) 272-1711. The fax number for the Art unit is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Ngan Van Ngo Primary Examiner

Ngan Ngo

May 11, 2004